

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(363347)] LIEBHERR R934 054150-1550 - Hydraulic System

Sample No: LH0218930  
 Oil Type: NOT GIVEN



**KARSON SAND & GRAVEL INC**  
 3733 CARP ROAD  
 CARP, ON  
 CA K0A 1L0  
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 T: (613)407-0460  
 F:



#### SAMPLE INFORMATION

Sample Number	LH0218930	---	---	---
Sample Date	25 Aug 2023	---	---	---
Machine Hours	1116	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 43.0	---	---	---
Acid Number (AN)	mg KOH/g	● 1.58	---	---	---



#### CONTAMINATION

Particles >4µm		● 1728	---	---	---
Particles >6µm		● 464	---	---	---
Particles >14µm		● 26	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 1	---	---	---



#### WEAR METALS

Iron	ppm	● 6	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	● 0	---	---	---



#### ADDITIVES

Calcium	ppm	● 1410	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 712	---	---	---
Phosphorus	ppm	● 670	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

#### Diagnosis

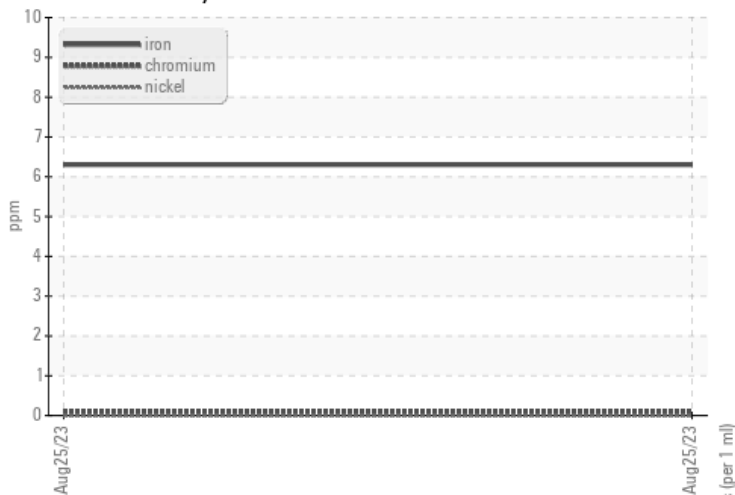
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: KAR373CAR  
 Unique No: 5631861  
 Signed: Wes Davis  
 Report Date: 29 Aug 2023

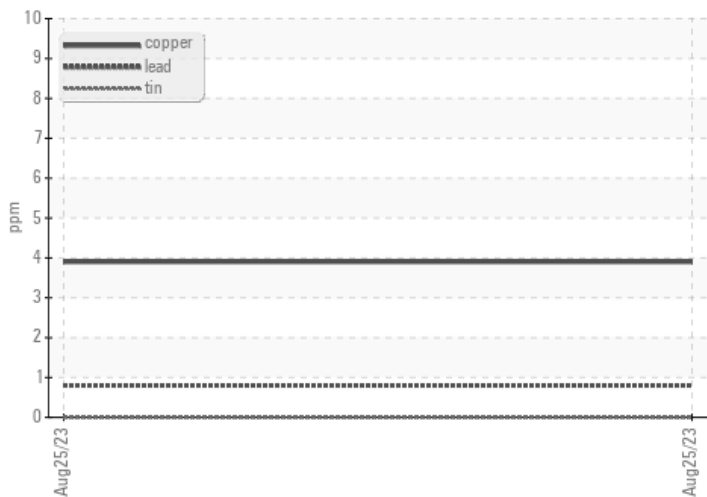


### GRAPHS

#### Ferrous Alloys



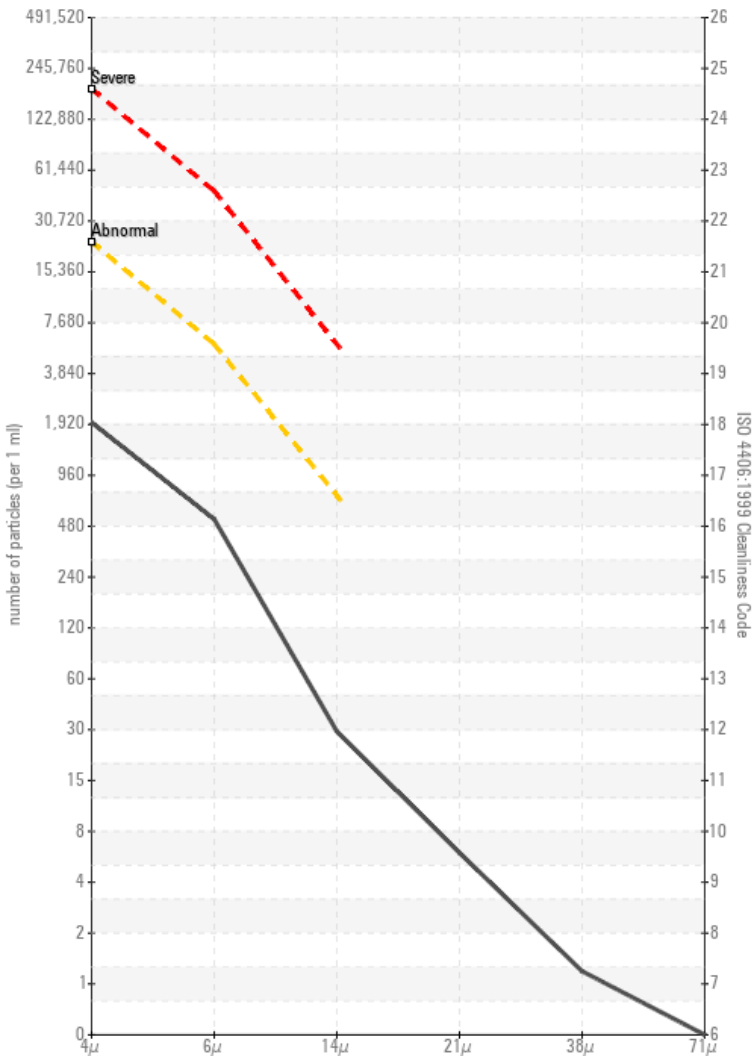
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

